Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Creek
Water Body Identification #: \307
Completed UAA Checklist:
G Pre-Field Preparatory Deta Cl
G Pre-Field Preparatory Data Sheet
G Maps with actual survey sites marked G Data Sheet A
G Data Sheet B − 3 of 3 pages for each site ○ Number of Sites: 3
G Data Sheet C (if applicable)
Number of Interviews:
G Photographs
Quantities
■ Upstream ろ
Downstream 3
• Other U
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA
is true and accurate.
5c 1-25-06
Signed: Date: 7/23/06
Drinted No.
reteptione #: 410 930 8 19 3
Organization: Tetra Techline Position: Scientist

<u>Pre-Field Preparatory Data Sheet</u> <u>for Recreational Use Stream Surveys</u>

Water Body Name: Cillum (ree (from USGS 7.5' quad)	K
8-digit HUC: 10290102	Missouri Water Body Identification (WBID) #: 1367
County: Pates	(1.212) II. 12./
Upstream Legal Description:	
Downstream Legal Description:	
Discharger Facility Name(s): N/A	
Discharger Permit Number(s): N/A	
Weather Conditions for Past 7 days:	
	nng twarm 85°

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

WBID #_\307

Date: 7 123 106

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Water Body Name: Cillum (reck

WBID #: 1307

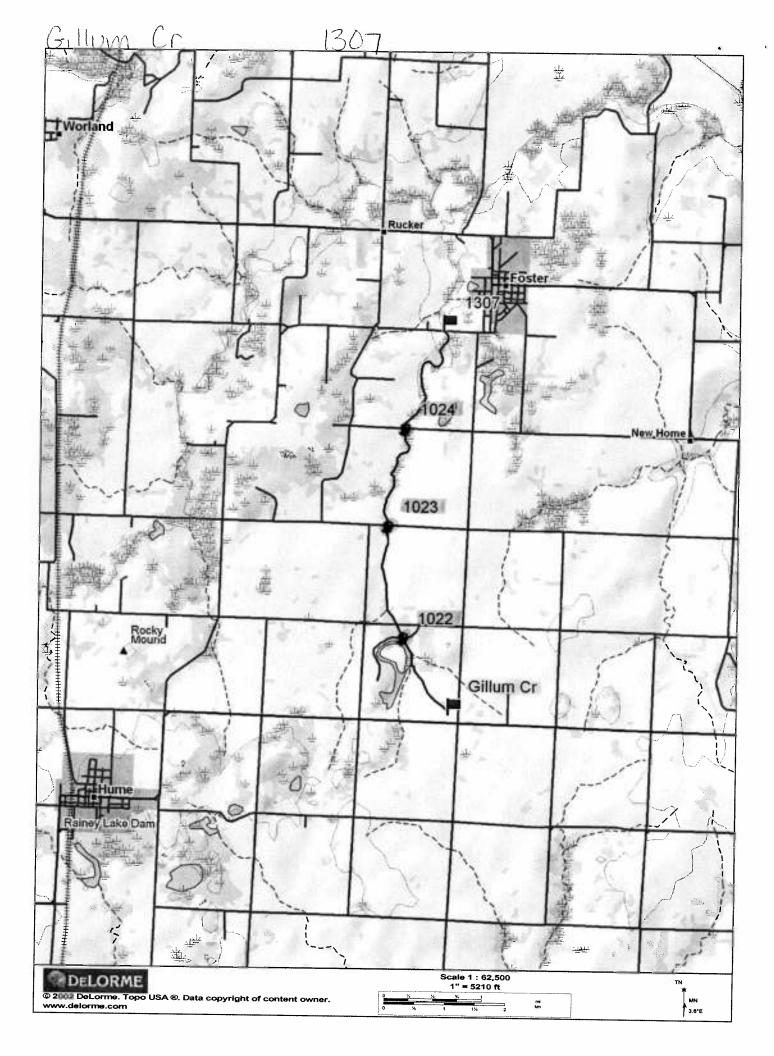
Upstream Coordinates: 38.11600
(WGS 84, ddd.ddddd) -94.63729

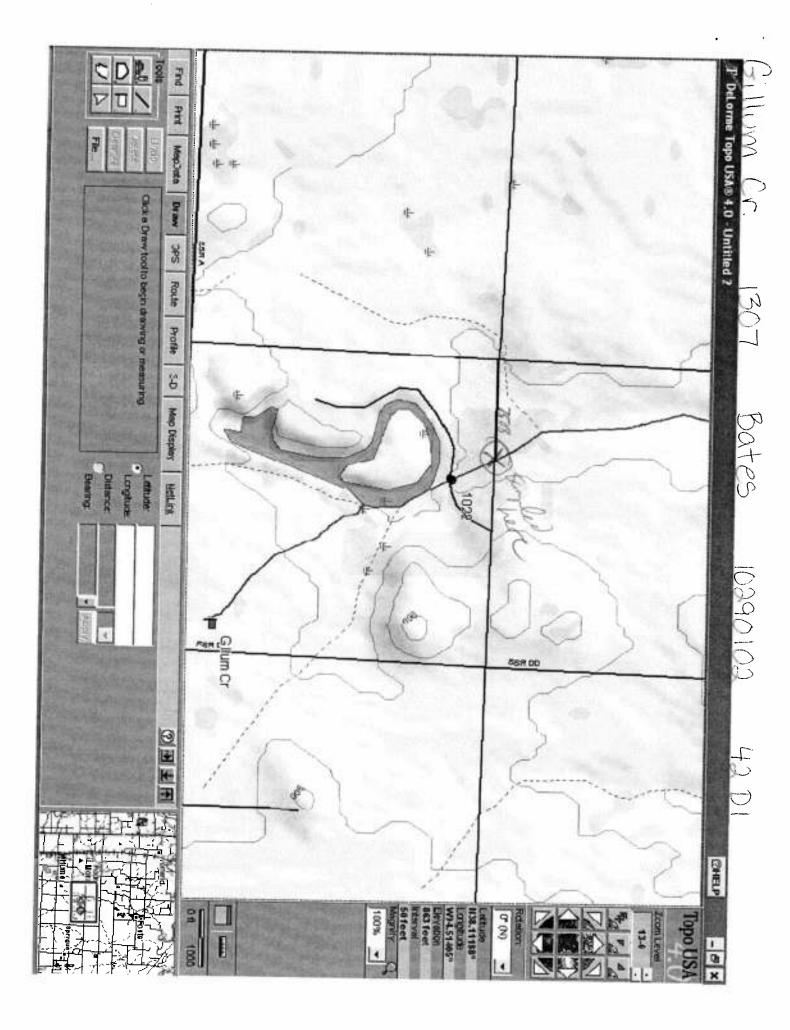
Downstream Coordinates: 38.14497
(WGS 84, ddd.ddddd) -94.63689

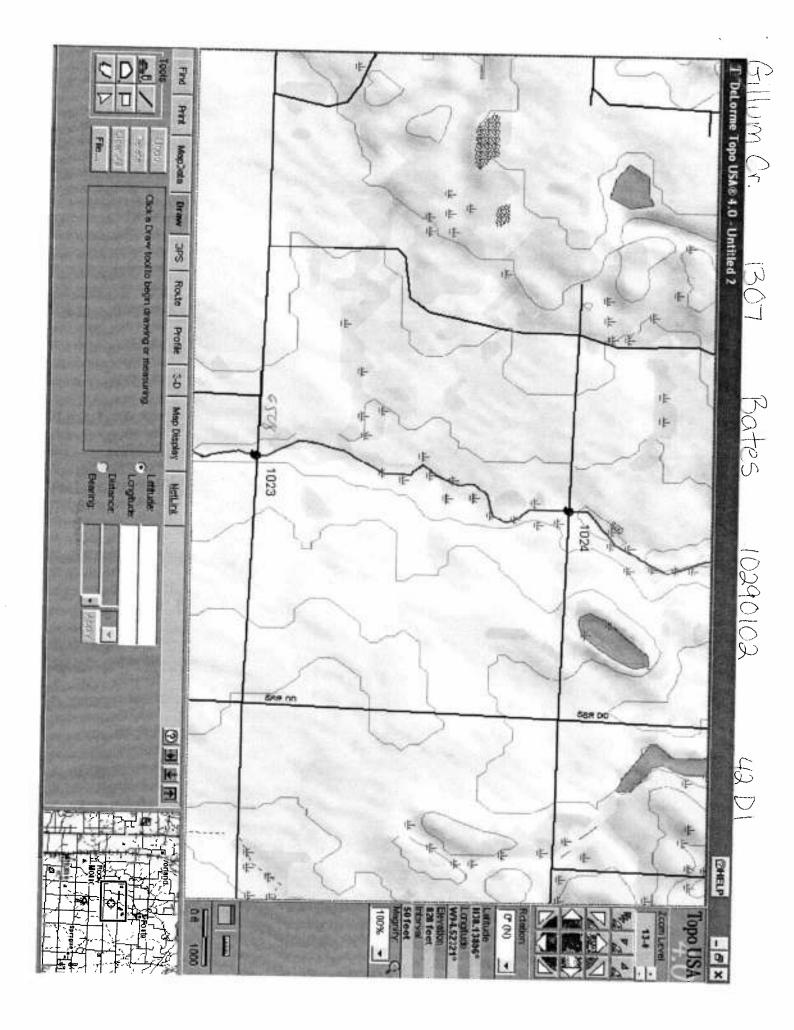
Current Weather Conditions: Survey warm 80°F

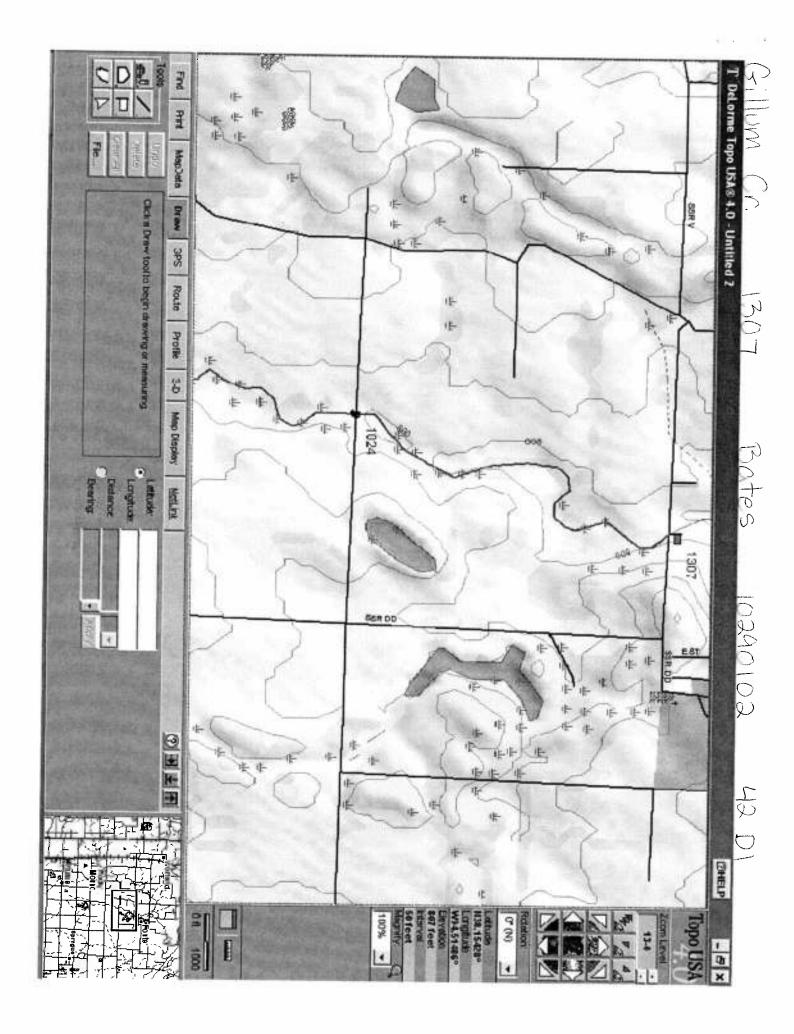
Number of Sites Evaluated: 3

Name(s) of Surveyor(s): DB, JL









WBID # 1367 Site # 1022

Date: 7/36/06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

ll that promote or	56 torted Fence ess point to stream, on road r impede recreationa Conservation lands anal forests	al uses. Attach photos of ev	Spassing Qoriginal tc.) location
Downstream Color to the color	56 torted Fence ess point to stream, on road r impede recreationa Conservation lands anal forests	nearby roads, landmarks, e 7508 al uses. Attach photos of ev Urban areas	idence or unusual Campgrounds
n: (Describe acce	56 torted Fence ess point to stream, on road r impede recreationa Conservation lands anal forests	nearby roads, landmarks, e 7508 al uses. Attach photos of ev Urban areas	idence or unusual Campgrounds
ll that promote or ounds	r impede recreational conservation lands	7508 al uses. Attach photos of ev Urban areas	idence or unusual Campgrounds
ll that promote or ounds	r impede recreational conservation lands	7508 al uses. Attach photos of ev Urban areas	idence or unusual Campgrounds
ll that promote or ounds	r impede recreational conservation lands	7508 al uses. Attach photos of ev Urban areas	idence or unusual Campgrounds
ll that promote or punds	r impede recreationa C conservation lands	al uses. Attach photos of ev Urban areas Nature trails	☐ Campgrounds
ounds	Conservation lands	☐ Urban areas ☐ Nature trails	☐ Campgrounds
arks Nation	nal forests	☐ Nature trails	
☐ Steep s	slopes		Btans/ walkway
		□ Utner:	
		,	
ring 🗆 S	SCUBA diving	☐ Tubing	
	Boating	☐ Wading	☐ Water skiing
	Cial:		Rafting
ils recreating, free	quency of use, photo	○ None of the above o-documentation of eviden	Other:
s/prints 🔲 1	Dock/platform	☐ Livestock Watering	
			□ RV / ATV Tracks
	1	NI DES Discharge	☐ Fishing Tackle
ng tires desired	es, discharges, etc.)		
_		The plening	Sites

	Dat	ta Sheet B - Site (on – 2 of :	3	
ream Morph <u>Upstre</u> am V					•	
	Distance from access point (m)	Width (m)	Length	(m)	Avg. Depth (m)	16
□ Riffle	access point (iii)				Avg. Depth (m)	Max Depth (m)
□ Run						
□ Pool		11/0	1.1			
Flow	Present?	No No	Velocity (ft/s		NA	NA
			velocity (108	iec):	y channel	
Downstream	View Physical 1	Dimensions:				
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle						Tan Depth (m)
□ Run						
□ Pool		NA	N/A		N/A	NIA
Flow F	Present?	√ No	Velocity (ft/se	*	7112	
			. / .		ychannel	
Strate*: (Th % Co	ese values should ado		/A			
70 00	%(mavei 9	6 Sand	% Silt	% Mud/Clay	% Bedroc
ıatic Vegetai	tion*: (Note amoun	t of vegetation or alga	al growth at the acc	sessment cit	a) 4/ /4	
			g at the dis	reservent ste	<u>,,, ////</u>	
	ristics*: (Mark all	that apply.) N/A				
Odor:	☐ Sewage	☐ Musky ☐	Chemical	□ None	☐ Other:	
Color:	☐ Clear	☐ Green ☐] Gray	☐ Milky	☐ Other:	
Bottom Deposit:				типку	□ Otner:	

 \square Foam

□ None

☐ Other:

Surface Deposit:

☐ Oil

☐ Scum

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WBID # 1307 Site # 1000

Date: 7/03/06

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).

Could notocless site because of no trepassing signard gate so the site at the next of mand crossing to stream was assessed neither set of foordinates placed as at the location shown on the maps

Both the papetream tolownstream channels were dry

WBID #_	1307	Site #	[699]
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Date: 7/33/00

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

, p.	THE THE PARTY OF T	that apply:	ecreation since 1975?	⊔ Yes ⊔ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
Have you obs		1 time per year – p	lease describe:	
☐ Swimming	Skin diving	nat apply: ☐ SCUBA diving		
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Tubing	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:
Ц Л	have you obser More than:	ved it being used f 5 times per year	or recreation?	
How ofter	$\frac{3}{2}$ 1 – 5 times	time per year – ple	ease describe:	
(G 1 – 5 times Less than 1	time per year – plo	ease describe:	
C	G 1 – 5 times Less than 1	per year time per year – plo	ease describe:	

WBID# 1307 Site# 1023

Date: 7/83/00

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd):	38.13 052		Arrival Time:	
Longitude (ddd.dddd):	-94.5297		1530	
Photo Ids: Upstream:		Downstream:	Other:	
#5	8 fevre		Otner:	
	- tice	#59		
arrative Description	of Location: (De	escribe access point to stream, n	. 1	
		series access point to stream, n	earby roads, landmarks, etc	.)
	65	08 madenss	in9	
	<u> </u>		J	
rrounding Conditio	ns*: (Mark all that	promote or impede recreational	lises Attach photos of'1	_
			uses. Attach photos of evid	ence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	ĭ Fence	☐ Steep slopes	Other:	\(\size \text{ Stalls/ Walkway} \)
man Hass Ol				
man Uses Observed				
☐ Swimming	Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
Hunting Describer Grant 1	□ Trapping	☐ Fishing	None of the above	
Describe: (include numb	er of individuals recr	reating, frequency of use, photo-	-documentation of evidence	of recreational uses, etc
				,
dence of Human Use	9*:			
dence of Human Uso □ Roads	e *: □ Foot paths/print	s □ Dock/platform	☐ Livestock Watering	□ RV / ATV Trocks
		s □ Dock/platform □ Fire pit/ring	☐ Livestock Watering	□ RV / ATV Tracks
□ Roads	☐ Foot paths/print		☐ Livestock Watering ☐ NPDES Discharge	□ RV / ATV Tracks
□ Roads □ Rope swings □ Other:	☐ Foot paths/print☐ Camping Sites☐	☐ Fire pit/ring		
□ Roads □ Rope swings □ Other:	☐ Foot paths/print☐ Camping Sites☐	☐ Fire pit/ring		
☐ Roads ☐ Rope swings ☐ Other:	☐ Foot paths/print☐ Camping Sites☐., trash dumping, tire			

WBID #	507 Site # 108	<u> 33</u>			4
Date: 7 / 2	93/06				4
	Data	a Sheet B - Site Ch	aracterization – 2	of 3	
Stream Mori Upstream	phology: View Physical Din		-		
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
Run					
Pool	5	,3	(0	.25	35
☑ Flow	Present?	Ď No	Velocity (ft/sec):	10 masurable	F104)
Downstrea	m View Physical D	Nimonoi		o Marana	100
	Distance from	Width (m)		T	
□ Riffle	access point (m)	width (III)	Length (m)	Avg. Depth (m)	Max Depth (m)
Kille					
D Dun	i j				
Run		8	1.0		
Pool	15	, 3	10	.15	.a
 	Present?	√No B	<u> </u>		
Pool Flow	Present?	ŲNo	<u> </u>	.15 masurabli	
Pool Flow	Present? Yes These values should add	ŲNo	Velocity (ft/sec):	o masurable	e flow
Pool Flow Substrate*: (1	Present?	up to 100%.) ravel 30 % S	Velocity (ft/sec): we and 30 % S	Silt % Mud/Clay	e flow
Pool Flow Substrate*: (1	Present? Yes These values should add	up to 100%.) ravel 30 % S	Velocity (ft/sec): we and 30 % S	Silt % Mud/Clay	e flow

W	ater Characteri	stics*: (Mark al	l that apply.)					
	Odor:	☐ Sewage	☐ Musky	☐ Chemical	M	None		
	Color:	□ Clear	☐ Green	□ Gray	· ···	Milky	Other:	h
	Bottom Deposit:	□ Sludge	□ Solids	☑ Fine sediments		None	Other:	Drownish
	Surface Deposit:	□ Oil	☐ Scum	☐ Foam	_	<u> </u>	Other:	
				L Poam	N DOI	Vone	☐ Other:	

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WBID # 1307 Site # 1023

Date: 7 / 23 / 06

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique lo conditions, problems in measuring, site relocation).	cal

WBID# 1387 Site# 1083

Date: 7/23/06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

	ease check ALL	that apply:	ecreation since 1975?	☐ Yes ☐ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
. Have you obs		ing this water body	lease describe:	
11 00, pro	isc check ALL (nat appiv:		
	i			
☐ Swimming ☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Swimming ☐ Wind surfing ☐ Hunting	☐ Skin diving ☐ Kayaking ☐ Trapping	☐ SCUBA diving ☐ Boating ☐ Fishing	☐ Wading ☐ None of the above	☐ Water skiing ☐ Rafting ☐ Other:
☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How ofter	☐ Skin diving ☐ Kayaking ☐ Trapping ☐ have you obser ☐ More than ☐ 1 − 5 times	☐ SCUBA diving ☐ Boating ☐ Fishing Tved it being used for times per year per year	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:
☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How ofter	☐ Skin diving ☐ Kayaking ☐ Trapping ☐ have you obser ☐ More than ☐ 1 − 5 times ☐ Less than 1	☐ SCUBA diving ☐ Boating ☐ Fishing Tved it being used for times per year per year	☐ Wading ☐ None of the above For recreation?	☐ Rafting ☐ Other:
☐ Swimming ☐ Wind surfing ☐ Hunting ☐ How ofter	☐ Skin diving ☐ Kayaking ☐ Trapping ☐ have you obser ☐ More than ☐ 1 − 5 times ☐ Less than 1	☐ SCUBA diving ☐ Boating ☐ Fishing Tved it being used for times per year per year	☐ Wading ☐ None of the above For recreation?	☐ Rafting ☐ Other:

WBID # 1307 Site # 1024

Date: 7/23/06

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

,			,	
Latitude (ddd.dddd):	38.14499	7	Arrival Time:	
Longitude (ddd.dddd):	-94.	62590		: // O
Photo Ids: Upstream:		Downstream:	15	540
#63		#60	Other: #6	of fence os
			#61 TO	ash
arrative Description	of Location: (De	escribe access point to stream,	nearby roads, landmarks, etc	tence of the back
@		(1058'Ng 01		
rrounding Condition us of interest.)	IS*: (Mark all that]	promote or impede recreation	al uses. Attach photos of evid	ence or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservation land	s 🗆 Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☑ Fence	☐ Steep slopes	☐ Other:	Staffs/ Walkway
man Uses Observed*				
	F			
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
Hunting	☐ Trapping	☐ Fishing	- /	
Describe: (include number	r of individuals recr	eating, frequency of use, pho	✓ None of the above to-documentation of evidence	of recreational uses at
dence of Human Use	*:			
□ Roads	☐ Foot paths/print	s Dock/platform	☐ Livestock Watering	
i	☐ Camping Sites	☐ Fire pit/ring	□ NPDES Discharge	□ RV / ATV Tracks
☐ Other:			1 TAT DES DISCHarge	☐ Fishing Tackle
rces of Pollution: (e.g.	trash dumning tire	es, drainages, discharges, etc.)		
	, uminhing, mt	o, mainages, discharges etc.	\	

WBID #	307 Site # 10	24				4
		ta Sheet B - Site	Characterizați	ion – 2 of	· a	
Stream Morp <u>U</u> pstream					J	
	Distance from access point (m)	Width (m)	Length	(m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle						
Run						
Y/Pool	15	10	30	5	.5	. 7
⅓ Flow	Present?	Ø No	Velocity (ft/	/sec): \	no measur	able flow
Downstrea	m View Physical Distance from access point (m)	Dimensions: Width (m)	Length	(m)	Ava Donah ()	
☐ Riffle	access point (m)		Dength	(111)	Avg. Depth (m)	Max Depth (m)
□ Run						
Pool	20	, 9	40		11	
Flow	Present?	No No	Velocity (ft/s	sec): vo o	.4	.5
			(10.0	, PAO	masarab	le How
ubstrate*: (1	These values should ad Cobble 70%		% Sand 35	> % Silt	t % Mud/Clay	% Bedrock
quatic Veget	ation*: (Note amoun	at of vegetation or ale	gal grouth at the or	3000000000		
	some aqui	atic veg.	upstrean	^	ite.)	
	teristics*: (Mark all	····				
Odor:	☐ Sewage		☐ Chemical			
Color:	□ Clear		· · · · · · · · · · · · · · · · · · ·	None		
Bottom Depos			□ Gray	☐ Milky	Other:	Downish

☐ Foam

Fine sediments

□ None

None

☐ Other:

☐ Other:

Bottom Deposit:

Surface Deposit:

☐ Sludge

□ Oil

☐ Solids

☐ Scum

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WBID #_	1307	Site	#_	1024
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Date: 7 123 106

Data Sheet B - Site Characterization - 3 of 3

conditions, problems in	describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local n measuring, site relocation).

WBID #_1307_ Site # 1004

Date: 7/33/560

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe	ersonally used the	is water body for rethat apply:	ecreation since 1975?	□ Yes □ No	
☐ Swimming ☐ Skin diving		☐ SCUBA diving ☐ Tubing		☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	Other:	
3. Have you obs		1 time per year – p	for recreation since 1	975? □ Yes □ No	
☐ Swimming	☐ Skin diving	□ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:	
(More than 1 3 1 - 5 times 4 Less than 1	ved it being used for 5 times per year per year time per year – ple			
	manonts.				

Telephone #:

WBID# 1307



Site# 1022 Photo ID# 55, Upstream / barbwire fence



Site# 1022 Photo ID# 56, Downstrea / barbwire fence



Site# 1022 Photo ID# 57, No trespassing



Site# 1023 Photo ID# 58, Upstream / Fence and tire

WBID# 1307



Site# 1023 Photo ID# 59, Downstream



Site# 1024 Photo ID# 60, Downstream



Site# 1024 Photo ID# 63, Upstream



Site# 1024 Photo ID# 61, trash

WBID# 1307



Site# 1024 Photo ID# 62, Fence



Site# 1024 Photo ID# 64, Tires